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Dated: JAN. 21, '04 Signature: Carla Elkins

Docket No.: 53807-00035USPT  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Gerrit Smit

Application No.: 10/603,469

Confirmation No.: 3222

Filed: June 25, 2003

Art Unit: N/A

For: METHOD AND SYSTEM FOR  
CONCURRENT ESTIMATION OF  
FREQUENCY OFFSET AND  
MODULATION  
INDEX

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on PTO/SB/08 is attached.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

application by this firm) to our Deposit Account No. 10-0447, under Order No. 53807-00035USPT. A duplicate copy of this paper is enclosed.

Dated: January 20, 2004

Respectfully submitted,

By

  
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	53807-00035USPT
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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA**	US-5,151,925	09-29-1992	Gelin et al.		
AB**	US-5,255,290	10-19-1993	Anvari		
AC**	US-5,434,889	07-18-1995	Baier		
AD**	US-5,802,117	09-01-1998	Ghosh		
AE**	US-6,347,126 B1	02-12-2002	Nagayasu et al.		
AF**	US-6,363,131 B1	03-26-2002	Beidas et al.		
AG**	US-6,389,040 B1	05-14-2002	Viswanathan		
AH**	US-6,393,073 B1	05-21-2002	Eilts		
AI**	US-6,393,068 B1	05-21-2002	Rupp		
AJ**	US 2002/0094048 A1	07-18-2002	Simmons et al.		

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
BA	WO 02/39688 A1	05-16-2002	Bengt Lindoff et al.			
BB	WO 02/37744 A1	05-10-2002	Yigang Fan et al.			

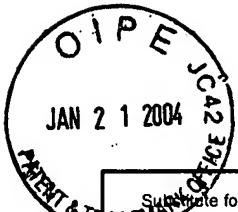
\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CA	FONOLLOSA, J.R. et al., "Analysis of CPM Signals using Higher-Order Statistics", Military Communications Conference, 1993. Milcom 1993. Conference Record. Communications on the Move, IEEE Boston, MA, Oct. 11-14, 1993, New, NY, IEEE. (pgs. 663-667)		
CB	FONOLLOSA, J.R. et al., "Estimation of the Modulation Index of CPM Signals Using Higher-Order Statistics", Statistical Signal and Array Processing, Minneapolis, April 27-30, 1993, Proceedings of the International Conference on Acoustics, Speech, and Signal Processing, New York, IEEE, US, vol. 4, April 27, 1993, (pgs. 268-271).		
CC	Motorola's Bluetooth Solution to Interface Rejection and Coexistence with 802.11 by WEIZHONG CHEN, Ph.D.; Copyright Motorola, Inc., 2001; 14 Pages.		
CD	Fractionally-Spaced Differential Detection of GFSK Signals with Small h* by SUKKYUN HONG and YONG-HWAN LEE; IEICE Trans. Commun., Vol. E-84-B, No. 12; December 2001; 9 Pages.		
CE	Non Data Aided Estimation of the Modulation Index of Continuous Phase Modulations by PASCAL BIANCHI, PHILIPPE LOUBATON and FRANCOIS SIRVEN; January 28, 2003; 30 Pages.		
CF	REILLY, D., International Search Report prepared by European Patent Office on October 6, 2003. (4 pages).		

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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ALTERNATIVE TO PTO/SB/08a/b (06-03)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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of

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Complete if Known	
Application Number	10/603469
Filing Date	June 25, 2003
First Named Inventor	Gerrit Smit
Art Unit	N/A
Examiner Name	N. Assigned
Attorney Docket Number	53807-00035USPT

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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